

IVG-7500 Intelligent Video Splicer



The IVG-7500 Intelligent Video Splicer provides ad insertion, rate shaping and grooming capabilities for digital simulcast network architectures. It features superior quality seamless splicing and standards based DPI implementation for compatibility with major ad server providers

Applications

- Digital simulcast edge processing applications, featuring digital ad insertion and rate-shaping
- Distributed or centralized processing in all digital architecture
- Insertion of local content such as off-air or PEG channels

Product Highlights

- Seamless, superior quality splicing; No black frames
- SD and HD splicing support
- Full SCTE-30 standard API for ad server integration
- SCTE-35 digital cue detection and processing
- High quality rate shaping
- Advanced Joint Transrating (JT) statistical remultiplexing mechanism
- Concurrent splicing and rate shaping of up to 64 programs (SD)
- ASI and GbE interfaces
- Local insertion of off-air and PEG channels
- Advanced management and redundancy solutions

Business Benefits

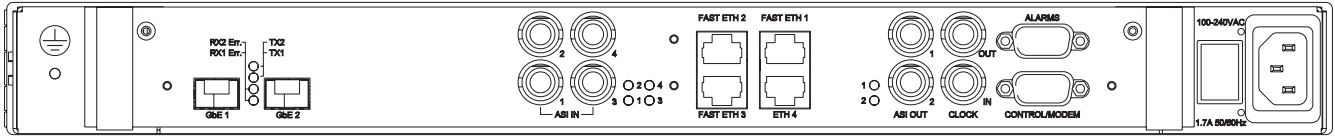
Increases revenues by enabling insertion of local advertising

Provides digital and analog service with digital simulcast capabilities

Combines off-air services and local content to be integrated at the edge

Maximizes network up-time with advanced redundancy solutions

Enables local ads to be inserted in premium HDTV content



IVG-7500

Product Specifications

ASI Inputs

- 4 ASI inputs (MPTS/SPTS)
- Up to 170 Mbps data rate per ASI input

ASI Outputs

- 2 independent ASI outputs (future release)
- Up to 170 Mbps data rate per ASI input

GbE Interfaces

- 2 Gigabit Ethernet (GbE) ports, 1000BaseT (RJ45) or 1000 Base SX(LC)-independent or redundant (dual-homed)

Management Interfaces

- 3 independent 100BaseT (SCTE-30, NMS, Telnet)
- One 10BaseT interface
- RS-232 / modem for command line interface

Video Routing / Remultiplexing

- Routing of any program from any input to any output stream (ASI, GbE)
- Service and component level grooming
- PID level filtering and remapping
- High accuracy PCR restamping
- PSI processing - PAT, PMT auto-regeneration
- Descriptor level add/copy/drop
- Supports PSIP/PSI tables

IP Networking

- IP streaming - UDP unicast/multicast, MPTS/SPTS
- IP input - UDP unicast/multicast, MPTS/SPTS, up to 120mS de-jittering
- IGMP v2 multicast support
- IP stream redundancy - automatic switching from primary to secondary input multicast feed upon failure

Digital Ad Insertion

- Seamless splicing of HD and SD streams in the digital domain
- DPI standards SCTE-30/35 for cueing and API
- Concurrent splicing and rate shaping of up to 64 SD programs

Transrating

- Transrating of up to 96 SD services (rate dependent)
- VBR, CBR inputs and outputs
- Transrating resource bank allows flexible allocation

Statistical Remultiplexing

- Joint transrating (JT) based on advanced rate shaping and resource allocation algorithms
- Priority assigned per service
- Min / max bitrates per service
- Pass-through service (VBR, CBR) support

Device Management and Monitoring

- SNMP-based Element Manager System (EMS)
- Powerful command line interface (Telnet/RS232)
- Front panel for easy initial setup
- Input bitrate monitoring in service and PID level
- Input and output transport stream monitoring down to descriptor level

Physical Characteristics

Size

- 1RU unit (19" rack)
- Dimensions (H x W x D): 4.4 cm x 48.2 cm x 62.5 cm (1.5" x 19" x 24.6")

Weight

- 10 kg/22 lbs

Power

- Voltage: 90-260 VAC, 50/60 Hz, -48 VDC (Optional)
- Power consumption: 120 W max

Compliance

EMC

- CE, FCC part 15 (class A)

Safety

- CE, CB (TUV), cTUVus, UL60950

Environmental Conditions

Operation

- Temp: 0°C - 50°C
- Humidity: 5% - 85%

Storage

- Temp: -40°C - 70°C
- Humidity: 0% - 95%

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